SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Nobori, Tsutomu
Carson, Dennis A.
Takabayashi, Kenji

(ii) TITLE OF INVENTION: Method for Detection of the Presence or Absence of Methylthioadenosine Phosphorylase (MTAse) in a Cell Sample by Detection of the Presence or Absence of MTAse Encoding Nucleic Acid in the Cell Sample

(iii) NUMBER OF SEQUENCES: 1

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Townsend and Townsend and Crew LLP
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(C) CITY: San Francisco
(D) STATE: California
(E) COUNTRY: USA
(F) ZIP: 94111-3834

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US 09/072,914
(B) FILING DATE: 04-MAY-1998
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/176,855
(B) FILING DATE: 29-DEC-1993

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/459,343
(B) FILING DATE: 02-JUN-1995

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/827,342
(B) FILING DATE: 26-MAR-1997

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Bastian, Kevin L.
(B) REGISTRATION NUMBER: 34,774
(C) REFERENCE/DOCKET NUMBER: 023070-103030US

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (415) 576-0200
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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 3083 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..3083
(D) OTHER INFORMATION: /note= "rat methylthioadenosine phosphorylase (MTAse)"

(ix) FEATURE:
(A) NAME/KEY: exon
(B) LOCATION: 119..151
(D) OTHER INFORMATION: /note= "exon 1"

(ix) FEATURE:
(A) NAME/KEY: exon
(B) LOCATION: 450..536
(D) OTHER INFORMATION: /note= "exon 2"

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(B) LOCATION: 724..782
(D) OTHER INFORMATION: /note= "exon 3"

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(D) OTHER INFORMATION: /note= "exon 4"

(ix) FEATURE:
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(D) OTHER INFORMATION: /note= "exon 5"

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(D) OTHER INFORMATION: /note= "exon 6"

(ix) FEATURE:
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(B) LOCATION: 2426..2548
(D) OTHER INFORMATION: /note= "exon 7"

(ix) FEATURE:
(A) NAME/KEY: exon
(B) LOCATION: 2838..2876
(D) OTHER INFORMATION: /note= "exon 8"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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